## Rec'd PCT/PTO J 1 MAY 2005

#### (12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

#### (19) World Intellectual Property Organization

International Bureau



### 

(43) International Publication Date 17 June 2004 (17.06.2004)

PCT

# (10) International Publication Number WO 2004/050313 A1

(51) International Patent Classification<sup>7</sup>:

B26B 19/40

(21) International Application Number:

PCT/IB2003/005066

(22) International Filing Date:

6 November 2003 (06.11.2003)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data: 02080062.9

3 December 2002 (03.12.2002) E

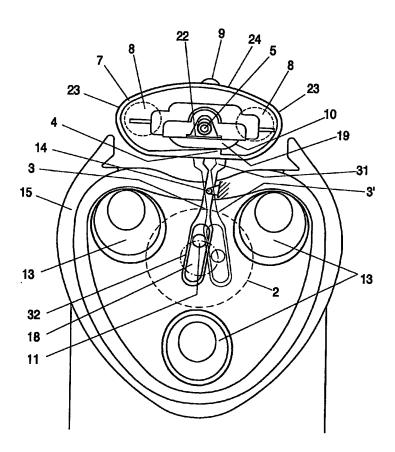
- (71) Applicant (for all designated States except US): KONIN-KLIJKE PHILIPS ELECTRONICS N.V. [NL/NL]; Groenewoudseweg 1, NL-5621 BA Eindhoven (NL).
- (72) Inventor; and
- (75) Inventor/Applicant (for US only): GROSS, Jeroen, A.

[NL/NL]; c/o Prof. Holstlaan 6, NL-5656 AA Eindhoven (NL).

- (74) Agent: BOS, Kornelis, S.; Philips Intellectual Property & Standards, Prof. Holstlaan 6, NL-5656 AA Eindhoven (NL).
- (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (regional): ARIPO patent (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE,

[Continued on next page]

(54) Title: HAIR REMOVING APPARATUS



(57) Abstract: A hair removing apparatus has hair removing device (13) for at least partially removing hair projecting from a skin; a liquid channel (16) leading to a liquid outlet (12); a pump (5) for causing liquid displacement through the liquid channel to the liquid outlet; a motor (1) coupled to the hair removing device (13); a transmission coupled to the motor (1) and to the pump (5); and a control structure (4,7-9) operable between at least a first and a second operating condition for dispensing liquid at different rates. The control structure (4,7-9) is arranged for controlling amounts of movement transmitted by the transmission to the pump such that, in the first and second operating conditions, different amounts of movement are transmitted by the transmission to the pump.

